



PRELIMINARY REPORT
INDUSTRY SERIES

1982

Census of
Construction Industries

CC82-I-5(P)

Issued October 1983

GENERAL CONTRACTORS--NONRESIDENTIAL BUILDINGS,
OTHER THAN INDUSTRIAL BUILDINGS AND WAREHOUSES
(Industry 1542)

During 1982, the establishments with paid employees classified in this industry accounted for \$50.7 billion in total business receipts. Of this amount, \$50.1 billion were receipts for construction work. These establishments paid out \$9.4 billion for materials, components, supplies, and fuels and \$27.9 billion for construction work subcontracted to others. This industry had total average employment of 363,261 employees with total payroll of \$7.1 billion. Value added for 1982 was \$13.4 billion.

Establishments classified in this industry are engaged primarily in the construction of commercial, institutional, religious, and amusement and recreational buildings (including new work, additions, alterations, remodeling, and repair). For specific examples, refer to the 1972 Standard Industrial Classification (SIC) Manual, and its 1977 supplement, published by the Office of Management and Budget, Executive Office of the President.

For this census, a "construction establishment" was defined as a relatively permanent office or other place of business at which or from which the usual business activities related to construction were conducted. A separate census report was required from each establishment but not from each construction site. Instead, the data for work at each site were included in the report from the appropriate office or branch office. Foreign construction activities were not included in this census.

The 1982 estimates for establishments with paid employees in all of the construction industries are based on reports from a probability sample of approximately 172,000 establishments selected from a universe of about 498,000 construction establishments with payroll. The data obtained from the sample were weighted to represent all construction establishments with payroll. Complete descriptions of the sampling and estimating procedures will be included in the final reports.

Since the data in this report are based on a sample, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same questionnaires and procedures. The relative standard error shown in the tables is a measure of sampling variability, i.e., the variation that might occur by chance because only a sample of the population was surveyed.

All data shown are based on current dollars for the years specified and have not been adjusted for inflation.

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Table 1. General Statistics for Establishments With Payroll by States: 1982 and 1977

(Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4)

| Location of establishment | 1982 | | | | | | | | |
|---------------------------|-------------------------------|-------------|-------------------------|------------------|-------------------------|---|-----------------------------------|----------------------------------|--|
| | Number of establish- ments | Employees** | | Payroll | | Construction worker hours (thousands) | Total construction receipts | Net construction receipts† | |
| | | All | Construction workers | All employees | Construction workers | | | | |
| | A | B | C | D | E | F | G | H | |
| United States..... | 20 184 | 363 261 | 282 118 | 7 114 674 | 5 007 008 | 494 468 | 50 087 008 | 22 229 928 | |
| Alabama..... | 280 | 7 149 | 5 599 | 123 117 | 83 468 | 9 882 | 894 218 | 432 398 | |
| Alaska..... | 108 | 1 967 | 1 583 | 57 261 | 45 474 | 2 689 | 346 607 | 162 552 | |
| Arizona..... | 315 | 4 494 | 3 363 | 86 004 | 57 678 | 5 691 | 803 190 | 324 450 | |
| Arkansas..... | 162 | 2 667 | 2 259 | 38 317 | 30 553 | 3 875 | 329 817 | 179 907 | |
| California..... | 2 221 | 32 153 | 23 593 | 775 260 | 515 190 | 48 115 | 5 896 418 | 2 366 968 | |
| Colorado..... | 412 | 10 001 | 7 650 | 211 962 | 159 235 | 13 623 | 1 692 681 | 744 681 | |
| Connecticut..... | 257 | 4 808 | 3 832 | 100 798 | 77 308 | 7 022 | 627 135 | 270 167 | |
| Delaware..... | 58 | 762 | 590 | 11 697 | 8 145 | 1 027 | 68 998 | 32 174 | |
| District of Columbia..... | 30 | 1 939 | 1 612 | 39 015 | 26 802 | *2 796 | 247 914 | 88 676 | |
| Florida..... | 1 079 | 18 717 | 14 924 | 299 009 | 205 446 | 25 304 | 2 139 400 | 969 278 | |
| Georgia..... | 464 | 11 228 | 8 756 | 172 157 | 116 006 | 15 007 | 1 340 365 | 583 515 | |
| Hawaii..... | 114 | 1 890 | 1 398 | 47 228 | 32 269 | 2 377 | 307 911 | 142 733 | |
| Idaho..... | 123 | 1 256 | 956 | 22 998 | 16 467 | 1 497 | 209 166 | 102 915 | |
| Illinois..... | 794 | 14 687 | 11 535 | 346 764 | 255 461 | 19 868 | 2 124 394 | 976 056 | |
| Indiana..... | 496 | 6 751 | 5 075 | 125 341 | 87 984 | 8 534 | 714 304 | 363 982 | |
| Iowa..... | 411 | 4 738 | 3 707 | 90 434 | 63 518 | 6 541 | 499 568 | 294 113 | |
| Kansas..... | 253 | 4 441 | 3 665 | 79 217 | 59 132 | 6 814 | 497 207 | 257 949 | |
| Kentucky..... | 287 | 3 814 | 3 008 | 60 156 | 42 844 | 4 959 | 390 198 | 190 409 | |
| Louisiana..... | 386 | 7 839 | 6 399 | 140 366 | 101 242 | 10 939 | 982 934 | 437 864 | |
| Maine..... | 91 | 1 118 | 930 | 15 365 | 10 876 | 1 688 | 101 683 | 54 059 | |
| Maryland..... | 377 | 9 052 | 6 569 | 180 229 | 115 391 | 11 409 | 1 424 764 | 534 156 | |
| Massachusetts..... | 457 | 8 455 | 6 178 | 182 121 | 127 535 | 10 800 | 1 428 011 | 574 275 | |
| Michigan..... | 614 | 6 678 | 4 987 | 144 122 | 98 442 | 8 372 | 962 710 | 426 226 | |
| Minnesota..... | 376 | 7 361 | 5 856 | 177 219 | 132 219 | 10 548 | 1 059 224 | 534 507 | |
| Mississippi..... | 178 | 2 607 | 2 149 | 31 939 | 22 928 | 3 542 | 197 665 | 109 619 | |
| Missouri..... | 449 | 10 917 | 8 484 | 187 303 | 126 408 | 14 466 | 1 154 886 | 500 222 | |
| Montana..... | 115 | 1 458 | 1 161 | 22 726 | 16 799 | 1 850 | 143 525 | 80 652 | |
| Nebraska..... | 248 | 3 789 | 2 975 | 58 438 | 42 431 | 5 055 | 326 505 | 203 503 | |
| Nevada..... | 129 | 1 313 | 1 009 | 31 751 | 22 123 | 1 545 | 291 088 | 119 154 | |
| New Hampshire..... | 96 | 1 767 | 1 433 | 28 983 | 20 438 | 2 465 | 179 909 | 86 923 | |
| New Jersey..... | 501 | 8 757 | 6 742 | 157 049 | 109 385 | 11 556 | 1 063 292 | 430 676 | |
| New Mexico..... | 217 | 4 240 | 3 312 | 77 248 | 59 183 | 5 715 | 336 093 | 167 733 | |
| New York..... | 1 202 | 19 755 | 14 322 | 428 742 | 284 545 | 24 911 | 3 015 411 | 1 267 578 | |
| North Carolina..... | 381 | 7 522 | 6 037 | 105 949 | 71 627 | 10 755 | 790 000 | 407 296 | |
| North Dakota..... | 115 | 1 509 | 1 270 | 27 359 | 21 466 | 2 241 | 160 768 | 92 216 | |
| Ohio..... | 885 | 13 082 | 9 855 | 264 513 | 187 329 | 17 035 | 1 536 238 | 771 915 | |
| Oklahoma..... | 354 | 7 161 | 5 908 | 128 191 | 96 278 | 10 247 | 883 600 | 444 734 | |
| Oregon..... | 306 | 3 242 | 2 403 | 79 027 | 53 661 | 3 774 | 599 489 | 202 283 | |
| Pennsylvania..... | 742 | 13 182 | 10 171 | 260 256 | 184 345 | 17 941 | 1 779 179 | 772 853 | |
| Rhode Island..... | 54 | 1 784 | 967 | 42 428 | 18 987 | 1 737 | 500 398 | 104 164 | |
| South Carolina..... | 203 | 4 026 | 3 284 | 57 383 | 39 371 | 5 943 | 356 587 | 185 766 | |
| South Dakota..... | 137 | 1 133 | 951 | 16 513 | 12 672 | 1 591 | 106 245 | 73 092 | |
| Tennessee..... | 326 | 8 305 | 6 675 | 141 552 | 100 694 | 11 903 | 1 244 647 | 472 552 | |
| Texas..... | 1 579 | 43 837 | 35 870 | 831 930 | 608 829 | 61 412 | 6 683 977 | 2 851 328 | |
| Utah..... | 154 | 2 308 | 1 862 | 40 855 | 29 179 | 3 300 | 388 780 | 184 388 | |
| Vermont..... | 48 | 464 | 353 | 5 876 | 3 915 | 644 | 32 964 | 20 699 | |
| Virginia..... | 408 | 7 267 | 5 815 | 123 941 | 86 981 | 10 232 | 886 797 | 438 102 | |
| Washington..... | 547 | 9 550 | 7 239 | 233 158 | 174 054 | 11 964 | 1 363 911 | 650 364 | |
| West Virginia..... | 135 | 1 627 | 1 315 | 28 001 | 21 565 | 2 185 | 134 773 | 85 496 | |
| Wisconsin..... | 426 | 7 518 | 5 597 | 157 791 | 107 027 | 9 559 | 703 156 | 388 921 | |
| Wyoming..... | 73 | 1 163 | 924 | 19 604 | 16 088 | 1 495 | 138 294 | 73 679 | |

1982--Con.

| Value added † | 1982--Con. | | | | | | 1977 | | | Relative standard error of estimate (percent) for column-- | | | Location of establishment |
|---------------|---|--|--|---------------------------------------|--|-----------------|-----------------------------|---------------|-----|--|-----|---------|---------------------------|
| | Payments for materials, components, supplies, and fuels | Payments for construction work subcontracted to others | Rental payments for machinery, equipment, and structures | Capital expenditures, other than land | End-of-year gross book value of depreciable assets | All employees-- | Total construction receipts | Value added † | | | | | |
| I | J | K | L | M | N | O | P | Q | D | H | M | | |
| 13 421 726 | 9 381 486 | 27 857 079 | 378 807 | 458 619 | 4 751 130 | 311 588 | 27 137 768 | 7 112 256 | (W) | (W) | (W) | U.S. | |
| 253 249 | 192 146 | 461 820 | 4 004 | 5 241 | 85 973 | 7 644 | 591 198 | 133 264 | 2 | 1 | 2 | Ala. | |
| 105 691 | 78 582 | 184 055 | 3 634 | 3 731 | 41 240 | 815 | 121 088 | 46 858 | 4 | 3 | 3 | Alaska | |
| 229 912 | 108 905 | 478 740 | 4 797 | 22 290 | 111 399 | 3 972 | 455 765 | 135 354 | 2 | 2 | (W) | Ariz. | |
| 100 173 | 80 847 | 149 910 | 2 125 | 2 918 | 39 912 | 3 244 | 246 883 | 51 267 | 5 | 3 | 3 | Ark. | |
| 1 595 936 | 812 341 | 3 529 450 | 51 976 | 46 529 | 454 178 | 22 486 | 2 907 553 | 672 968 | 1 | (W) | 1 | Calif. | |
| 427 291 | 321 057 | 948 000 | 15 804 | 9 407 | 83 838 | 6 596 | 672 742 | 199 598 | 1 | 1 | 1 | Colo. | |
| 173 595 | 97 665 | 356 967 | 6 854 | 5 226 | 64 501 | 3 203 | 281 696 | 51 632 | 2 | 2 | 5 | Conn. | |
| 20 951 | 12 016 | 36 824 | 355 | 810 | 10 638 | 776 | 51 468 | 15 344 | 12 | 11 | 2 | Del. | |
| 63 671 | (D) | 159 238 | 2 674 | 409 | 11 393 | 1 529 | 181 614 | 45 473 | 1 | 1 | (W) | D.C. | |
| 551 937 | 439 598 | 1 170 122 | 16 470 | 14 998 | 170 517 | 10 827 | 817 757 | 184 105 | 1 | 1 | 2 | Fla. | |
| 313 230 | 291 126 | 756 850 | 8 669 | 6 371 | 81 935 | 8 665 | 608 730 | 150 160 | 1 | 1 | 3 | Ga. | |
| 94 013 | 53 208 | 165 178 | 3 802 | 5 034 | 39 990 | 2 915 | 286 729 | 94 880 | 3 | (W) | 1 | Hawaii | |
| 74 382 | (D) | 106 251 | 1 171 | (D) | 100 376 | 1 286 | 106 262 | 29 786 | 8 | 5 | (X) | Idaho | |
| 681 281 | 319 511 | 1 148 337 | 15 812 | 31 524 | 229 190 | 14 576 | 1 390 344 | 374 814 | 1 | 1 | 1 | Ill. | |
| 225 245 | 163 247 | 350 322 | 4 701 | 6 932 | 95 012 | 8 053 | 623 461 | 173 501 | 2 | 2 | 5 | Ind. | |
| 147 853 | 157 310 | 205 455 | 2 593 | 4 879 | 74 560 | 5 607 | 356 884 | 111 338 | 3 | 3 | 5 | Iowa | |
| 124 841 | 135 015 | 239 258 | 3 698 | 4 695 | 52 401 | 4 576 | 366 680 | 100 939 | 3 | 2 | 8 | Kans. | |
| 120 103 | 84 373 | 199 789 | 2 466 | 2 305 | 42 812 | 4 510 | 345 886 | 87 995 | 4 | 4 | 7 | Ky. | |
| 230 638 | 209 584 | 545 070 | 8 289 | 9 791 | 103 834 | 8 421 | 535 776 | 149 036 | 2 | 2 | 2 | La. | |
| 25 599 | 30 284 | 47 624 | 878 | 1 584 | 16 081 | 1 179 | 71 327 | 21 521 | 7 | 8 | 4 | Maine | |
| 350 642 | 192 916 | 890 607 | 8 374 | 9 268 | 80 394 | 8 144 | 887 028 | 241 939 | 2 | 1 | 3 | Md. | |
| 347 316 | 230 551 | 853 736 | 12 363 | (S) | (S) | 6 056 | 539 063 | 139 899 | 2 | 2 | (X) | Mass. | |
| 250 867 | 184 411 | 536 484 | 4 610 | 6 993 | 88 072 | 7 576 | 787 473 | 189 491 | 2 | 2 | 2 | Mich. | |
| 379 425 | (D) | 524 717 | 10 328 | 7 475 | 129 623 | 7 811 | 649 586 | 125 679 | 1 | 1 | 1 | Minn. | |
| 57 891 | 55 548 | 88 046 | 1 773 | 2 754 | 31 396 | 3 338 | 177 702 | 55 998 | 6 | 4 | 3 | Miss. | |
| 305 170 | 203 804 | 654 663 | 4 309 | 6 953 | 140 395 | 7 274 | 709 434 | 205 308 | 1 | 1 | 4 | Mo. | |
| 44 490 | 39 091 | 62 873 | 1 401 | (D) | 23 457 | 1 499 | 115 620 | 35 371 | 7 | 6 | (X) | Mont. | |
| 105 690 | 109 129 | 123 002 | 2 815 | 5 578 | 52 767 | 3 525 | 244 936 | 81 099 | 5 | 5 | 18 | Nebr. | |
| 74 666 | 47 168 | 171 933 | 2 449 | 3 369 | 21 406 | 915 | 104 054 | 27 169 | 5 | 2 | 3 | Nev. | |
| 47 863 | 42 264 | 92 986 | 1 585 | 1 220 | 19 752 | 1 850 | 118 427 | 33 685 | 5 | 5 | 4 | N.H. | |
| 277 233 | 164 618 | 632 616 | 9 259 | 10 771 | 101 060 | 6 419 | 509 474 | 145 316 | 2 | 2 | 2 | N.J. | |
| 117 352 | (D) | 168 360 | 2 026 | 7 950 | 103 556 | 3 104 | 176 229 | 58 706 | 3 | 3 | 2 | N. Mex. | |
| 821 404 | 461 123 | 1 747 832 | 17 325 | 17 768 | 254 205 | 16 280 | 1 732 481 | 465 315 | 1 | 1 | 2 | N.Y. | |
| 213 421 | 199 285 | 382 704 | 4 878 | 7 187 | 77 710 | 9 582 | 552 211 | 167 751 | 2 | 1 | 3 | N.C. | |
| 42 485 | 51 034 | 68 552 | 932 | 1 232 | 18 444 | 1 657 | 102 638 | 30 894 | 5 | 4 | 9 | N. Dak. | |
| 471 957 | 314 727 | 764 323 | 9 962 | 13 709 | 191 942 | 13 618 | 1 337 424 | 314 436 | 1 | 1 | 2 | Ohio | |
| 256 104 | 194 829 | 438 866 | 5 991 | 6 717 | 70 780 | 4 269 | 368 559 | 102 679 | 2 | 1 | 4 | Okla. | |
| 115 324 | 88 966 | 397 205 | 5 849 | 3 174 | 40 408 | 3 287 | 299 791 | 84 892 | 3 | 3 | 1 | Oreg. | |
| 525 757 | 273 360 | 1 006 325 | 8 508 | 16 388 | 166 226 | 14 585 | 1 211 101 | 317 257 | 1 | 1 | 2 | Pa. | |
| (D) | 87 552 | 396 234 | 5 900 | 1 687 | 13 908 | 1 123 | 106 883 | 33 963 | 3 | 4 | 4 | R.I. | |
| 124 374 | (D) | 170 820 | 2 794 | 3 589 | 38 252 | 4 230 | 275 844 | 71 701 | 4 | 3 | 10 | S.C. | |
| 30 234 | 45 036 | 33 152 | 644 | 1 216 | 16 291 | 1 432 | 90 782 | 27 770 | 9 | 9 | 4 | S. Dak. | |
| 237 755 | 250 770 | 772 095 | 9 587 | 7 374 | 79 642 | 7 575 | 600 473 | 132 977 | 2 | 1 | 2 | Tenn. | |
| 1 556 192 | 1 340 734 | 3 832 649 | 55 355 | 39 089 | 528 161 | 26 617 | 2 212 477 | 527 150 | (W) | (W) | 1 | Tex. | |
| 112 916 | 76 149 | 204 392 | 2 045 | 2 581 | 33 729 | 2 365 | 232 429 | 48 527 | 3 | 2 | 7 | Utah | |
| 11 838 | (D) | 12 265 | 525 | 396 | 2 135 | 495 | 28 490 | 9 547 | 15 | 16 | 33 | Vt. | |
| (D) | 448 695 | 6 823 | 5 914 | 62 110 | 8 229 | 577 267 | 152 135 | 2 | 2 | 4 | Va. | | |
| 363 424 | 293 591 | 713 547 | 12 908 | 9 689 | 114 064 | 7 389 | 656 927 | 205 515 | 1 | 1 | 2 | Wash. | |
| 58 257 | 31 433 | 49 277 | 1 482 | 1 046 | 19 495 | 1 650 | 71 814 | 26 010 | 5 | 4 | 18 | W. Va. | |
| 236 238 | 172 519 | 314 235 | 3 902 | 6 915 | 94 309 | 7 720 | 559 578 | 195 292 | 1 | 1 | 2 | Wis. | |
| 52 044 | 22 907 | 64 615 | 1 313 | 1 561 | 10 896 | 1 097 | 81 739 | 28 962 | 5 | 3 | 5 | Wyo. | |

Table 2. Construction Receipts for Establishments With Payroll by Type of Construction: 1982 and 1977

(Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4)

| Item | 1982 | 1977 | Relative standard error of estimate (percent) | |
|---|------------|------------|---|------|
| | | | 1982 | 1977 |
| Total construction receipts..... | 50 087 008 | 27 137 768 | (W) | (W) |
| Building construction..... | 45 903 346 | 25 212 656 | (W) | (W) |
| Single-family houses..... | 862 581 | 505 488 | 1 | 2 |
| Apartment buildings with two or more apartments..... | 1 128 356 | 529 775 | 1 | 1 |
| Other residential buildings..... | 1 309 400 | 438 894 | (W) | 1 |
| Farm buildings..... | 977 273 | 853 439 | 2 | 2 |
| Industrial buildings and warehouses..... | 4 205 691 | 2 769 902 | (W) | (W) |
| Office and bank buildings..... | 17 325 377 | 5 325 617 | (W) | (W) |
| Stores, restaurants, public garages, and automobile service stations..... | 6 774 762 | 4 065 583 | 1 | 1 |
| Religious buildings..... | 930 728 | 866 318 | 2 | 2 |
| Educational buildings..... | 4 030 642 | 4 154 952 | 1 | (W) |
| Hospitals and institutional buildings..... | 6 411 159 | 4 386 205 | (W) | (W) |
| Amusement, social, and recreational buildings.. | 1 011 968 | 692 407 | 1 | 1 |
| Other nonresidential buildings..... | 935 409 | 624 078 | 2 | 2 |
| Nonbuilding construction..... | 1 335 764 | 1 248 045 | 1 | (W) |
| Construction work, n.s.k..... | 2 847 898 | 677 221 | 1 | 1 |

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The following abbreviations and symbols are used in the tables in this publication:

- * Sampling error exceeds 40 percent.
- ** All employees (average) is the sum of construction workers during pay period including 12th of March, May, August, and November divided by 4, added to all others, March 12th.
- Represents zero.
- t Represents total construction receipts less payments for construction work subcontracted to others.
- tt Represents all business receipts less payments for construction work subcontracted to others, and payments for material, components, supplies, and fuels. In SIC's 1531 and 6552, land receipts are also subtracted from "all business receipts."
- (D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
- (NA) Not available.
- (S) Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard error, or a consistency review.
- (W) Greater than zero but less than 1 percent.
- (X) Not applicable.
- n.s.k. Not specified by kind.



